

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (currently amended) An analysis support apparatus for performing an analysis using geometric data to check characteristics of a structure represented by the geometric data, comprising:

a specifying unit specifying one or more types of analyses from among plural types of analyses;

an obtaining unit obtaining necessary conditions from among necessary analytical conditions of the plurality of analyses based on the specified types of analyses; and

a generating unit generating analytical data formed by at least the obtained analytical conditions and the geometric data corresponding to the specified types of analyses as integrated data.

2. (original) The apparatus according to claim 1, wherein said analytical data is generated using the obtained analytical conditions as header information about the geometric data.

3. (original) The apparatus according to claim 1, wherein said analytical conditions are extracted by selecting a type of a property of a structure indicated by the geometric data and a corresponding property value.

4. (original) The apparatus according to claim 1, wherein said analytical conditions include an upper limit of a mesh size when a mesh is generated to obtain analytical data.

5. (original) The apparatus according to claim 1, wherein said analytical conditions include a contact setting of a part boundary.

6. (original) The apparatus according to claim 1, wherein said analytical conditions include a plurality of dimension values or property values provided for selection of an optimum value.

7. (original) The apparatus according to claim 1, wherein said analytical conditions include settings of a shell representation of parts geometric data and of parts weights.

8. (original) The apparatus according to claim 1, wherein said analytical conditions include a wavelength of an electromagnetic field in an electromagnetic analysis.

9. (currently amended) An analysis supporting method for performing an analysis using geometric data to check characteristics of a structure represented by the geometric data, comprising: ~~a specifying step of~~

specifying one or more types of analyses from among plural types of analyses; ~~an obtaining step of~~

obtaining necessary conditions from among necessary analytical conditions of the plurality of analyses based on the specified types of analyses; and ~~a generating step of~~

generating analytical data formed by at least the obtained analytical conditions and the geometric data corresponding to the specified types of analyses as integrated data.

10. (original) The method according to claim 9, wherein said analytical data is generated using the obtained analytical conditions as header information about the geometric data.

11. (original) The method according to claim 9, wherein said analytical conditions are extracted by selecting a type of a property of a structure indicated by the geometric data and a corresponding property value.

12. (original) The method according to claim 9, wherein said analytical conditions include an upper limit of a mesh size when a mesh is generated to obtain analytical data.

13. (original) The method according to claim 9, wherein said analytical conditions include a contact setting of a part boundary.

14. (original) The method according to claim 9, wherein said analytical conditions include a plurality of dimension values or property values provided for selection of an optimum value.

15. (original) The method according to claim 9, wherein said analytical conditions include settings of a shell representation of parts geometric data and of parts weights.

16. (original) The method according to claim 9, wherein said analytical conditions include a wavelength of an electromagnetic field in an electromagnetic analysis.

17. (currently amended) ~~An analysis supporting~~ A storage medium storing a program for directing an information processing device ~~to realize an analysis supporting method~~ for performing an analysis using geometric data to check characteristics of a structure represented by the geometric data, comprising:

~~a specifying step of specifying one or more types of analyses from among plural types of analyses;~~

~~an obtaining step of obtaining necessary conditions from among necessary analytical conditions of the plurality of analyses based on the specified types of analyses; and~~

~~a generating step of generating analytical data formed by at least the obtained analytical conditions and the geometric data corresponding to the specified types of analyses~~ as integrated data.

18. (currently amended) The ~~program~~ storage medium according to claim 17, wherein said analytical data is generated using the obtained analytical conditions as header information about the geometric data.

19. (currently amended) The ~~program~~ storage medium according to claim 17, wherein said analytical conditions are extracted by selecting a type of a property of a structure indicated by the geometric data and a corresponding property value.

20. (currently amended) The ~~program~~ storage medium according to claim 17, wherein said analytical conditions include an upper limit of a mesh size when a mesh is generated to obtain analytical data.

21. (currently amended) The ~~program~~storage medium according to claim 17, wherein said analytical conditions include a contact setting of a part boundary.

22. (currently amended) The ~~program~~storage medium according to claim 17, wherein said analytical conditions include a plurality of dimension values or property values provided for selection of an optimum value.

23. (currently amended) The ~~program~~storage medium according to claim 17, wherein said analytical conditions include settings of a shell representation of parts geometric data and of parts weights.

24. (currently amended) The ~~program~~storage medium according to claim 17, wherein said analytical conditions include a wavelength of an electromagnetic field in an electromagnetic analysis.

25. (original) The apparatus according to claim 1, wherein said generating unit further generates the analytical data formed by the specified types of analyses.

26. (canceled)

27. (currently amended) The ~~program~~storage medium according to claim 17, wherein said generating ~~step~~unit further generates the analytical data formed by the specified types of analyses.

28. (original) The apparatus according to claim 1, wherein said obtaining unit obtains a property value which is a necessary analytical condition in the specified analysis from a material database.

29. (canceled)

30. (currently amended) The ~~program~~storage medium according to claim 17, wherein

said obtaining ~~step~~unit obtains a property value which is a necessary analytical condition in the specified analysis from a material database.

31. (new) A method of analytical program set-up, comprising:

allowing a user to specify a type of analysis to be performed by an analytical program and necessary parameters for the analysis; and

integrating the type and parameters into a header for geometric data used in the analysis by the analytical program.